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PATENT & TRADEMARK OFFICE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

MASAHIRO NOZAKI ET AL

CASE NO.: AD 6521 US NA

SERIAL NO.: 09/486,745

GROUP ART UNIT: 1711

FILED: MARCH 1, 2000

EXAMINER: ANA LUCRECIA WOODWARD

FOR: POLYAMIDE COMPOSITION FOR WELDING

RESPONSE

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

In response to the Office Action dated May 22, 2002, please consider the following Remarks in the above-referenced application. A Petition for a Three Month Extension of Time is filed concurrently herewith.

REMARKSI. APPLICANTS' INVENTION

The subject invention is a discovery that a composition comprising aromatic polyamide and aliphatic polyamide has excellent weldability with any known welding technologies such as injection welding, vibration welding, ultrasonic welding and spin welding, and has heat resistance. More particularly such compositions containing aromatic polyamide having molar fraction of aromatic monomer of not less than 0.2 attain high heat resistance, excellent hydrolysis and chemical resistance.

The pending claims define the subject invention as, "A polyamide composition for welding consisting essentially of". The examples of mixtures of aromatic and aliphatic polyamides covered by the claims of the present invention have excellent weldability (represented by tensile shear strength), heat resistance (represented by heat distortion temperature) and

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